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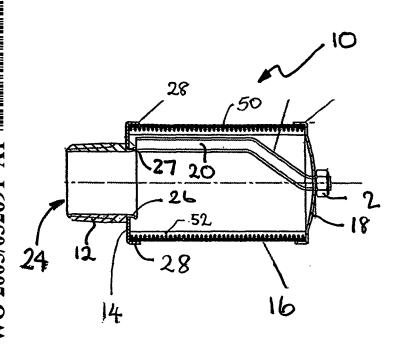
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(54) Title: IMPROVED SCREEN NOZZLE



(57) Abstract: A screen nozzle for a media retention screen is disclosed which includes a nipple, a bottom cover, a top cover, and a cylindrical screen element sandwiched between the top and bottom covers. The top cover is secured to the bottom cover by means of a threaded rod extending from either the bottom cover or the nipple through the interior of the screen through an aperture in the top cover with the top cover being retained in place by a nut or the like. The nipple is secured to the bottom cover by swaging and the threaded rod is welded to the bottom cover. Assembling the screen element using an internal threaded rod has two substantial advantages over existing screen nozzles. The first advantage is that there are no external welds which may damage or deform or foul the screen and which are also are potential areas of weaknesses which may be subject to corrosion. Secondly the screen element may be replaced without removing the nozzle from the screen plate. This makes repair and replacement of the screen nozzles considerably easier and also cheaper, since the nipple itself does not need to be replaced.